

45 Lecture - CS304

Important Mcqs

1. Which of the following is not a common system resource that requires efficient management?

- a. Memory
- b. CPU cycles
- c. Input devices
- d. Network connections

Answer: c

Which of the following is not a technique used for efficient resource management?

- a. Resource pooling
- b. Resource caching
- c. Resource sharing
- d. Resource wasting

Answer: d

What is resource pooling?

- a. The process of allocating resources to specific tasks
- b. The process of sharing resources among multiple tasks
- c. The process of caching resources for future use
- d. The process of deallocating unused resources

Answer: b

Which of the following is an example of a resource leak?

- a. Using a caching mechanism for database queries
- b. Releasing memory after it has been used
- c. Failing to close a database connection
- d. Allocating resources dynamically

Answer: c

What is garbage collection?

- a. The process of deallocating unused memory
- b. The process of deallocating unused network connections
- c. The process of deallocating unused file handles
- d. The process of deallocating unused CPU cycles

Answer: a

What is resource caching?

- a. The process of allocating resources to specific tasks
- b. The process of sharing resources among multiple tasks
- c. The process of caching resources for future use
- d. The process of deallocating unused resources

Answer: c

What is resource sharing?

- a. The process of allocating resources to specific tasks

- b. The process of sharing resources among multiple tasks
- c. The process of caching resources for future use
- d. The process of deallocating unused resources

Answer: b

Which of the following is not a benefit of efficient resource management?

- a. Improved performance
- b. Increased reliability
- c. Reduced resource usage
- d. Increased memory leaks

Answer: d

Which of the following is an example of resource pooling?

- a. Sharing a database connection among multiple threads
- b. Allocating a fixed amount of memory for a process
- c. Caching query results for future use
- d. Deallocating memory when it is no longer needed

Answer: a

What is resource caching used for?

- a. To allocate resources to specific tasks
- b. To share resources among multiple tasks
- c. To cache resources for future use
- d. To deallocate unused resources

Answer: c